

London, May 12, 1731.

PROPOSALS

For a COURSE of

CHEMICAL EXPERIMENTS:

With a View to

Practical Philosophy,
Arts, Trades, *and* Business.

By *PETER SHAW*, M. D.

AND

FRANCIS HAUKSBEE.

Chemistry
To begin on Monday Dec 6. 1731

266
268



THE Design of this COURSE is not only to exhibit and explain the common *Operations of Chemistry*; but also to deliver, in several *Sets of Experiments*, and suitable *explanatory Lectures*, what we apprehend conducive to the Advancement of the Art itself, the Promotion of Natural Knowledge, the Illustration and Improvement of many other Arts, and the Discovery of new Properties in Bodies, that point out new Manufactures and Works.



*The General Heads of the C O U R S E
are as follow.*

I.

SOME Account of the *various constituent Parts of the Terraqueous Globe*; with its Furniture of *Elements and Bodies*. The Practicability of making an useful *Chemical Enquiry* into them, is shewn by a Variety of *Examples*.

II.

An *Enquiry* into the Nature, Properties, Office and Use of **FIRE**; whether Celestial, Culinary, or Subterraneous; in order to discover its Effects on the Atmosphere, and Bodies of the Terrestrial Globe; so as to afford a Rule for the Management, and Regulation of *artificial Fires in Chemistry*, and human Works.

III.

An Experimental *Enquiry* into the Ingredients, Nature, Office, and Use of the **A T M O S P H E R E**; in order to account for the Changes therein, the Effects it produces on the Terrestrial Globe, and particularly in *Chemical Operations*.

IV. A

IV.

A particular *Enquiry* into the *Contents* of the TERRESTRIAL GLOBE, or the different Matters whereof it consists: With a View to discover the Cause of the Earth's Fertility, its Production and Sustentation of Vegetables, Animals and Minerals; and the Ways of Promoting, Imitating, and Regulating these *natural Operations*.

V.

A *Chemical Examination* of WATERS, to manifest their Contents, their Natures and their Uses to the Earth, and all Vegetable, Animal and Mineral Substances; but particularly to *Man*.

VI.

A *Set of Experiments* to illustrate and improve the extensive Doctrine of MENSTRUUMS; or the Business of adapting *Solvents* to all Kinds of Bodies.

VII.

Experiments to discover the Nature and Uses of *Fermentation* and *Putrefaction* in the System of the World; as they are the natural *intermediate Operations* for converting one Body into another.

VIII. Gene-

VIII.

General Intimations and Examples of the Suitableness of Chemical Experiments to the farther Improvement of Natural Philosophy, Arts, Manufactures, and the Investigation of the Causes of Things: With the Rules for conducting such Experiments, in the regular Way of an Art.

IX.

Practical Attempts for a just Method of Analysing all Vegetable, Animal and Mineral Substances, or resolving them into a few distinct and useful PRINCIPLES: With the Reasons of the Difficulties attending such Attempts.

X.

Experimental Instances of a just Recomposition in Bodies: With a View to render Synthetical as perfect as Analytical Chemistry.

XI.

Experiments upon the Growth and Curation of Vegetables, to illustrate and improve the Arts thereon depending.

XII.

Experiments to illustrate and improve the Arts depending upon vegetable Fermentation.

XIII. Ex-

XIII.

Experiments to illustrate and improve the Arts depending upon Distillation.

XIV.

Experiments to illustrate and improve the Ways of procuring Oils and Salts.

XV.

Experiments to illustrate and improve several Arts depending upon the Use of Salts and Oils.

XVI.

Experiments for illustrating and improving the Arts depending upon Colours, Dyes, and Stains.

XVII.

Experiments to shew the best Ways of preparing Medicines.

XVIII.

Experiments for illustrating and improving Minerology and Metallurgy.

XIX.

Experiments for introducing Ways of working in Chemistry, without Fire or Furnace.

XX. Ex-

XX.

Experiments relating to Gunpowder, Explosions, and the various Phosphori; with the uncommon Doctrine they point out.

XXI.

A Set of Leading Experiments, to promote a Discovery of new Improvements, new Arts and Manufactures.

The Charge of going this COURSE is Five Guineas to each Subscriber: One Guinea to be paid down, and the rest on the first Day of the Course.

The COURSE will begin, as soon as Twenty shall have subscrib'd.

SUBSCRIPTIONS are taken in by
FRANCIS HAUKEBEE, in *Crane-Court,*
Fleetstreet, London.



Advertisement.

THE Experiments of this Course will be made upon a new PORTABLE FURNACE, whose Structure renders it readily convertible into all the various *Furnaces* in Use: Whence 'tis not only suited to the making of *Chemical Experiments*, but likewise to the *Preparation of Chemical and Pharmaceutical Medicines*; so as to answer Family Occasions, and a moderate Call of Business. But for a farther Account of this *Furnace*, we refer to the ESSAY lately publish'd upon it.

